

ABSTRACT OF THE DISCLOSURE

According to one embodiment, the present technique provides a method for servicing an imaging device having a cryogenic cooling system. In the exemplary embodiment, servicing of an MRI scanner may be scheduled via a model correlating a measured condition of the MRI scanner's cryogenic cooling system to a kind of imaging device event. According to another embodiment, the present technique provides a method for developing a model for predicting a cryogenic cooling system event by analyzing data from a population of similar cryogenic cooling systems.